

ABSTRACT OF THE DISCLOSURE

PROCESS AND DEVICE FOR CALCULATING THE POSITION OF A  
MOBILE STATION, CORRESPONDING COMPUTER PROGRAM AND  
MEMORY MEDIUM

5 The invention relates to a process for calculating  
the position of a mobile station (MS) belonging to a  
cellular radiocommunication system, starting from an  
identifier of a current geographic cell in which the  
10 said mobile station is located. The process according  
to the invention includes the following steps:  
calculate a modelled geographic representation (5) of  
the current cell; calculate the barycentre (6) of the  
said modelled geographic representation of the current  
15 cell; calculate an uncertainty area (7), with a  
predetermined geometric shape, centred on the said  
barycentre and the area of which is approximately equal  
to the area of the said modelled geographic  
representation of the current cell. The position of the  
mobile station is defined by the said barycentre, with  
an uncertainty equal to the said uncertainty area.

Fig.1